



Anti-GNG5 (aa 1-64) polyclonal antibody (DPAB-DC1396)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	G proteins are trimeric (alpha-beta-gamma) membrane-associated proteins that regulate flow of information from cell surface receptors to a variety of internal metabolic effectors. Interaction of a G protein with its activated receptor promotes exchange of GTP for GDP that is bound to the alpha subunit. The alpha-GTP complex dissociates from the beta-gamma heterodimer so that the subunits, in turn, may interact with and regulate effector molecules (Gilman, 1987 [PubMed 3113327]; summary by Ahmad et al., 1995) [PubMed 7606925].[supplied by OMIM, Nov 2010]
Immunogen	GNG5 (NP_005265, 1 a.a. ~ 64 a.a) partial recombinant protein with GST tag. The sequence is MSGSSSVAAMKKVVQQLRLEAGLNRVKVSQAAADLKQFCLQNAQHDPLLTGVSSSTNPFR PQKV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GNG5 guanine nucleotide binding protein (G protein), gamma 5 [Homo sapiens (human)]
Official Symbol	GNG5
Synonyms	GNG5; guanine nucleotide binding protein (G protein), gamma 5; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5;
Entrez Gene ID	2787
Protein Refseq	NP_005265
UniProt ID	P63218
Chromosome Location	1p22
Pathway	ADP signalling through P2Y purinoceptor 1; Activation of G protein gated Potassium channels; Activation of Kainate Receptors upon glutamate binding; Alcoholism
Function	GTPase activity; PDZ domain binding; signal transducer activity;